

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE CITATION  (Use several sheets if necessary)	ATTY. DOCKET NO. 43936	SERIAL NO. 09/897,790
	APPLICANT Peter Stanforth	
	FILING DATE June 29, 2001	GROUP 2681

## U.S. Patent Documents

Examiner Initial	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
W	6,359,872	03/19/2002	Mahany et al.	370	338	10/28/1997
W	6,349,210	02/19/2002	Li	455	450	11/03/2000
W	6,349,091	02/19/2002	Li	370	238	11/07/2000
W	6,327,300	12/04/2001	Souissi et al.	375	219	10/25/1999
W	6,304,556	10/16/2001	Haas	370	254	08/24/1998
W	6,285,892	09/04/2001	Hulyalkar	455	574	11/24/1998
W	6,275,707	08/14/2001	Reed et al.	455	456	10/08/1999
W	6,249,516	06/19/2001	Brownrigg et al.	370	338	01/27/2000
W	6,246,875	06/12/2001	Seazholtz et al.	455	432	03/26/1999
W	6,240,294	05/29/2001	Hamilton et al.	455	456	05/30/1997
W	6,223,240	04/24/2001	Odenwald et al.	710	129	01/31/2000
W	6,222,463	04/24/2001	Rai	340	928	06/25/1998
W	6,208,870	03/27/2001	Lorello et al.	455	466	06/01/1999
W	6,192,230	02/20/2001	Van Bokhorst et al.	455	343	09/27/1993
W	6,192,053	02/20/2001	Angelico et al.	370	448	09/07/1995
W	6,178,337	01/23/2001	Spartz et al.	455	561	06/19/1997
W	6,163,699	12/19/2000	Naor et al.	455	453	09/15/1997
W	6,132,306	10/17/2000	Trompower	453	11.1	03/29/1996
W	6,122,690	09/19/2000	Nannetti et al.	710	102	04/17/1998
W	6,115,580	09/05/2000	Chuprun et al.	455	1	09/08/1998
W	6,108,738	08/22/2000	Chambers et al.	710	113	06/10/1997
W	6,078,566	06/20/2000	Kikinis	370	286	04/28/1998
W	6,067,297	05/23/2000	Beach	370	389	06/28/1996
W	6,067,291	05/23/2000	Kamerman et al.	370	338	09/23/1997
W	6,064,626	05/16/2000	Stevens	365	233	07/31/1998
W	6,052,752	04/18/2000	Kwon	710	126	11/14/1996
W	6,052,594	04/18/2000	Chuang et al.	455	450	04/30/1997
W	6,047,330	04/04/2000	Stracke Jr.	709	238	01/20/1998
W	6,044,062	03/28/2000	Brownrigg et al.	370	238	12/06/1996
W	6,034,542	03/07/2000	Ridgeway	326	39	10/14/1997
W	6,029,217	02/22/2000	Arimilli et al.	710	107	10/03/1994
W	5,991,279	12/23/1999	Haugli et al.	370	311	12/04/1996
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21	5,909,651	06/01/1999	Chander et al.	455	466	05/05/1997
21	5,903,559	05/11/1999	Acharya et al.	370	355	12/20/1996
21	5,896,561	04/20/1999	Schrader et al.	455	67.1	12/23/1996
21	5,886,992	03/23/1999	Raatikainen et al.	370	410	04/15/1997
21	5,881,372	03/09/1999	Kruys	455	113	12/01/1995
21	5,881,095	03/09/1999	Cadd	375	202	05/01/1997
21	5,877,724	03/03/1999	Davis	342	357	03/25/1997
21	5,870,350	02/09/1999	Bertin et al.	365	233	05/21/1997
21	5,857,084	01/05/1999	Klein	395	309	10/02/1996
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21	5,844,905	12/01/1998	McKay et al.	370	443	07/09/1996
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21	5,631,897	05/20/1997	Pacheco et al.	370	237	10/01/1993
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21	5,615,212	03/25/1997	Ruszyk et al.	370	433	09/11/1995

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<i>u</i>	5,572,528	11/05/1996	Shuen	370	85.13	03/20/1995
<i>u</i>	5,555,540	09/10/1996	Radke	370	16.1	02/17/1995
<i>u</i>	5,555,425	09/10/1996	Zeller et al.	395	800	03/07/1990
<i>u</i>	5,517,491	05/14/1996	Nanni et al.	370	29	05/05/1995
<i>u</i>	5,502,722	03/26/1996	Fulghum	370	69.1	08/01/1994
<i>u</i>	5,424,747	06/13/1995	Chazelas	342	70	04/09/1993
<i>u</i>	5,412,654	05/02/1995	Perkins	370	94.1	01/10/1994
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<i>u</i>	5,241,542	08/31/1993	Natarajan et al.	370	95.3	08/23/1991
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<i>u</i>	5,231,634	07/27/1993	Giles et al.	370	95.1	12/18/1991
<i>u</i>	5,068,916	11/26/1991	Harrison et al.	455	39	10/29/1990
<i>u</i>	5,034,961	07/23/1991	Adams	375	130	06/03/1988
<i>u</i>	4,910,521	03/20/1990	Mellon	342	45	08/03/1931
<i>u</i>	4,747,130	05/24/1988	Ho	379	269	12/17/1985
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<i>u</i>	4,617,656	10/14/1986	Kobayashi et al.	370	74	01/02/1986
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<i>Me</i>	2001/0053699	12/20/2001	McCrary et al.	455	513	02/06/2001

## Foreign Patent Documents or Foreign Patent Applications

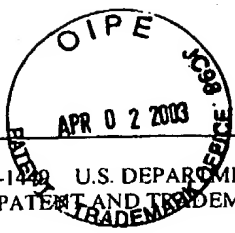
Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation
					Yes No
<del>EP 0513841 A2</del>	<del>11/19/1992</del>	<del>EPO</del>			<del>X</del>
<del>EP 0924890 A2</del>	<del>06/23/1999</del>	<del>EPO</del>			<del>X</del>
<del>EP 0627827 A2</del>	<del>12/07/1994</del>	<del>EPO</del>			<del>X</del>
<del>WO 9912302</del>	<del>03/11/1999</del>	<del>WIPO</del>			<del>X</del>
<del>WO 9839936</del>	<del>09/11/1998</del>	<del>WIPO</del>			<del>X</del>

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	WO 0235253	05/02/2002	WIPO			X	
	WO 0137483	05/25/2001	WIPO			X	
	WO 0137482	05/25/2001	WIPO			X	
	WO 0137481	05/25/2001	WIPO			X	
	WO 0135567	05/17/2001	WIPO			X	
	WO 0133770	05/10/2001	WIPO			X	
	WO 0110154	02/08/2001	WIPO			X	
	WO 0034932	06/15/2000	WIPO			X	
	CA 2132180	03/16/1996	Canada			X	
	FR 2683326	07/05/1993	France				X

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		Wong et al., "Soft Handoffs in CDMA Mobile Systems", December 1997, IEEE Personal Communications
		Wong et al., "A Pattern Recognition System for Handoff Algorithms", July 2000, IEEE Journal on Selected Areas in Communications, vol. 18, no. 7
		Andras G. Valko, "Cellular IP: A New Approach to Internet Host Mobility", January 1999, ACM Computer Communication Review
		Richard North, Dale Bryan and Dennis Baker, "Wireless Networked Radios: Comparison of Military, Commercial, and R&D Protocols", February 28-March 3, 1999, 2 <sup>nd</sup> Annual UCSD Conference on Wireless Communications, San Diego CA
		Benjamin B. Peterson, Chris Kmiecik, Richard Hartnett, Patrick M. Thompson, Jose Mendoza and Hung Nguyen, "Spread Spectrum Indoor Geolocation", August 1998, Navigation: Journal of the Institute of Navigation, vol. 45, no. 2, summer 1998
		Zhenyu Tang and J.J. Garcia-Luna-Aceves, "Collision-Avoidance Transmission Scheduling for Ad-Hoc Networks"

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw Line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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09/897,790

APPLICANT

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June 29, 2001

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EXAMINER REF.	DOC. NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	5 5 3 3 0 2 6	7/96	Ahmadi, et al.	370	94	
AB	5 6 4 4 5 7 6	7/97	Bauchot, et al.	370	437	
AC	5 7 4 8 6 2 4	5/98	Kondo	370	347	
AD	5 7 8 7 0 7 6	7/98	Anderson, et al.	370	294	
AE	5 9 8 7 0 1 1	11/99	Toh	370	331	
AF	6 0 1 6 3 1 1	1/00	Gilbert, et al.	370	280	
AG	6 0 2 8 8 5 3	2/00	Haartsen	370	338	
AH	6 0 2 9 0 7 4	2/00	Irvin	4550	571	
AI	6 0 5 8 1 0 6	5/00	Cudak, et al.	370	313	
AJ	6 0 8 8 3 3 7	7/00	Eastmond, et al.	370	280	
AK	6 0 9 7 7 0 4	8/00	Jackson, et al.	370	280	

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					YES NO
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u	AM	"Topology Control of Multihop Wireless Networks using Transmit Power Adjustment", by Ram Ramanathan and Regina Rosales-Hain; BBN Technologies (Division of GTE), Cambridge, Mass. 1997.
u	AM	"Reversing the Collision-Avoidance Handshake in Wireless Networks" by J.J. Garcia-Luna-Aceves and Asimakis Tzamaloukas; Baskin School of Engineering, University of California, Santa Cruz, 1997
E M	AT	"Self-Organizing, Self-Healing Wireless Networks", by Chip Elliot and Bob Helle; BBN Technologies, Cambridge, Mass. IEEE, 2000

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EXAMINER SYMBOL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	6 1 0 4 7 1 2	8/00	Robert, et al.	370	389	
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AC	6 1 3 0 8 8 1	10/00	Stiller, et al.	370	238	
AD	5 9 4 3 3 2 2	8/99	Mayor	370	280	
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mm	AA	"A Performance Comparison of Multi-Hop Wireless Ad Hoc Network Routing Protocols", by Josh Broch, et al., Carnegie Mellon University, Pittsburgh, Pa., Proceedings of the Fourth Annual ACM/IEEE International Conference on Mobile Computing and Networking, 1998.
mm	AB	"USAP: A Unifying Dynamic Distributed Multichannel TDMA Slot Assignment Protocol", by C. David Young, Rockwell International, Richardson, Texas
	AI	"Net Throughput with IEEE 802.11 Wireless LANs", by Ad Karmann and Guido Aker, Lucent Tech., Nieuwegein, The Netherlands

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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>M</i>	AR	"Transmission-Efficient Routing in Wireless Networks Using Link-State Information", by J.J. Garcia-Luna-Aceves, Baskin School of Engineering, University of California, Santa Cruz; 1997.
<i>QU</i>	AS	"The Core-Assisted Mesh Protocol", by J.J. Garcia-Luna-Aceves and Ewerton L. Madruga, Baskin School of Engineering, University of California, Santa Cruz; 1997.
<i>NT</i>	AT	"Optimization of an Adaptive Link Control Protocol for Multimedia Packet Radio Networks", by J.R. McChesney, et al.; IRI Industries Aerospace Comm. Div.; Ft. Wayne, IN; 1997.

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MA	AR	"Hierarchically-Organized, Multihop Mobile Wireless Networks for Quality-of-Service Support", by Ram Ramanathan and Martha Steenstrup; BBN Systems and Tech., Cambridge, Mass. 1995
ME	AS	"Dynamic Multipoint Virtual Circuits for Multimedia Traffic in Multihop Mobile Wireless Networks", by Martha E. Steenstrup; BBN Tech., Cambridge, Mass. 1995
MF	AT	"Packet-Based Multimedia Communications Systems" (H.323) ITU-T Recommendations H.323; International Telecommunications Union; Nov. 2000

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MA	AM	"QoS Networking with Adaptive Link Control and Tactical Multi- Channel Software Radios", by George Vardakas, et al., Communications Systems Div. of Raytheon Systems Co., San Diego, Calif.; 1997.
MA	AT	"Reversing the Collision Avoidance Handshake in WirelessN Networks", J.J. Garcia-Luna-Aceves, et al.; University of Calif.; 1997

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AR		Lucent Technologies.
		"Topology Control of Multihop Wireless Networks
AS		Using Transmit Power Adjustment", BBN Technologies, 1997.
AT		

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